The Symposium on Applied Mathematics

18-20 September 1997

The Conference Hall of MIZUTA Memorial Library
Josai University

Programme

18 September

1 Akihiko Itaya (Tokyo Institute of Technology)
Periodic points of Logistic map with diffusion

2 Kenshin Masuda (Tokyo Institute of Technology)
The Fractal Dimension of the Attractor of the Logistic Map with Diffusion

3 Akira Morimoto (Osaka Kyouiku University)
Wavelet analysis of Japanese speech

4 Mitio Yamada (Tokyo University)
Wavelets and Fractal Time Series

19 September

5 Takashi Nakano (Tokyo Institute of Technology)
Wavelet Analysis of Tribological Phenomena

6 Shinya Moritoh (Nara Women's University)
Survey on wavelet transforms on spheres

7 Nobuatsu Tanaka
(Nuclear Engineering Laboratory, TOSHIBA Co.)
Application of wavelets to a Poisson equation solver and its parallel processing

8 Satoshi Hayama (Rakuyo Technical High School)
Two cases of bifurcations associated with the blow-out bifurcation
:a shutdown bifurcation & long-life transient (with riddled basin)
:b blow-draw switching bifurcation (with on-off intermittency)

9 Youichi Maeda (Ryuukoku University)
Chaos arising from Euler's discretization and to measure asymmetricity of figures

10 Masaya Yamaguti (Ryuukoku University)
Some philosophical thinking about complex systems

20 September

11 Kiyoshi Mizohata (Josai University)
Conservation laws for the multidimensional case

12 Shinya Nishibata (Fukuoka Institute of Technology)
Weak solutions with a shock for a model system of the radiating gas

13 Fumioki Asakura (Osaka Electro-Communication University)
Glimm-Lax Theory via Wave-front Tracking Methods

14 Mitsuru Yamazaki (Tsukuba University)
Global existence of weak solutions to the discrete models of the Boltzmann equation for the Cauchy data with locally finite entropy

15 Masaru Yasukawa (YASUKAWA Co.)
Local existence of fluid equations in non-uniform time and spaces

16 Lu Min (Tokyo Institute of Technology)
Alexandre A. Kazhikhov
(Lavrentyev Institute of Hydrodynamics, Novosibirsk, Russia)
Seiji Ukai (Tokyo Institute of Technology)
Global Solutions to the Cauchy Problem of the Stokes Approximation Equations for Two-dimensional Flow